

Fig. 1

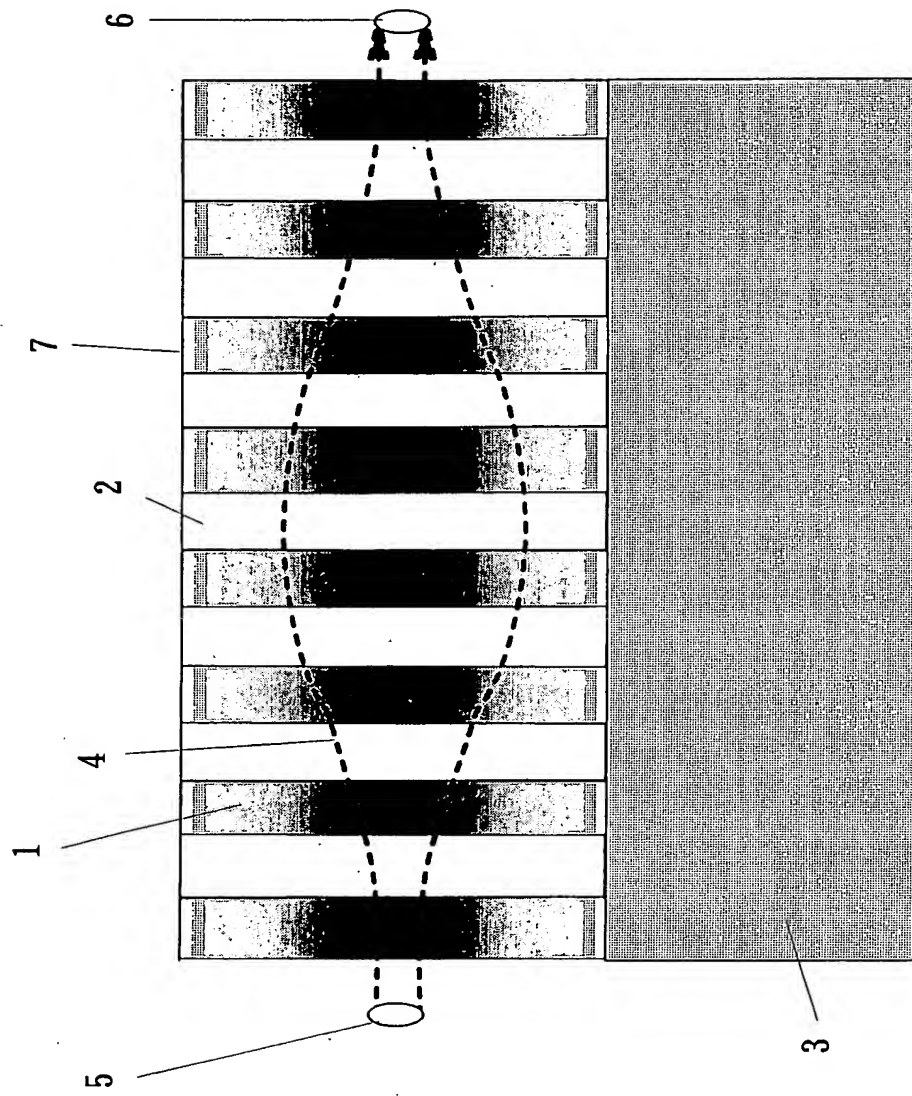


Fig. 2

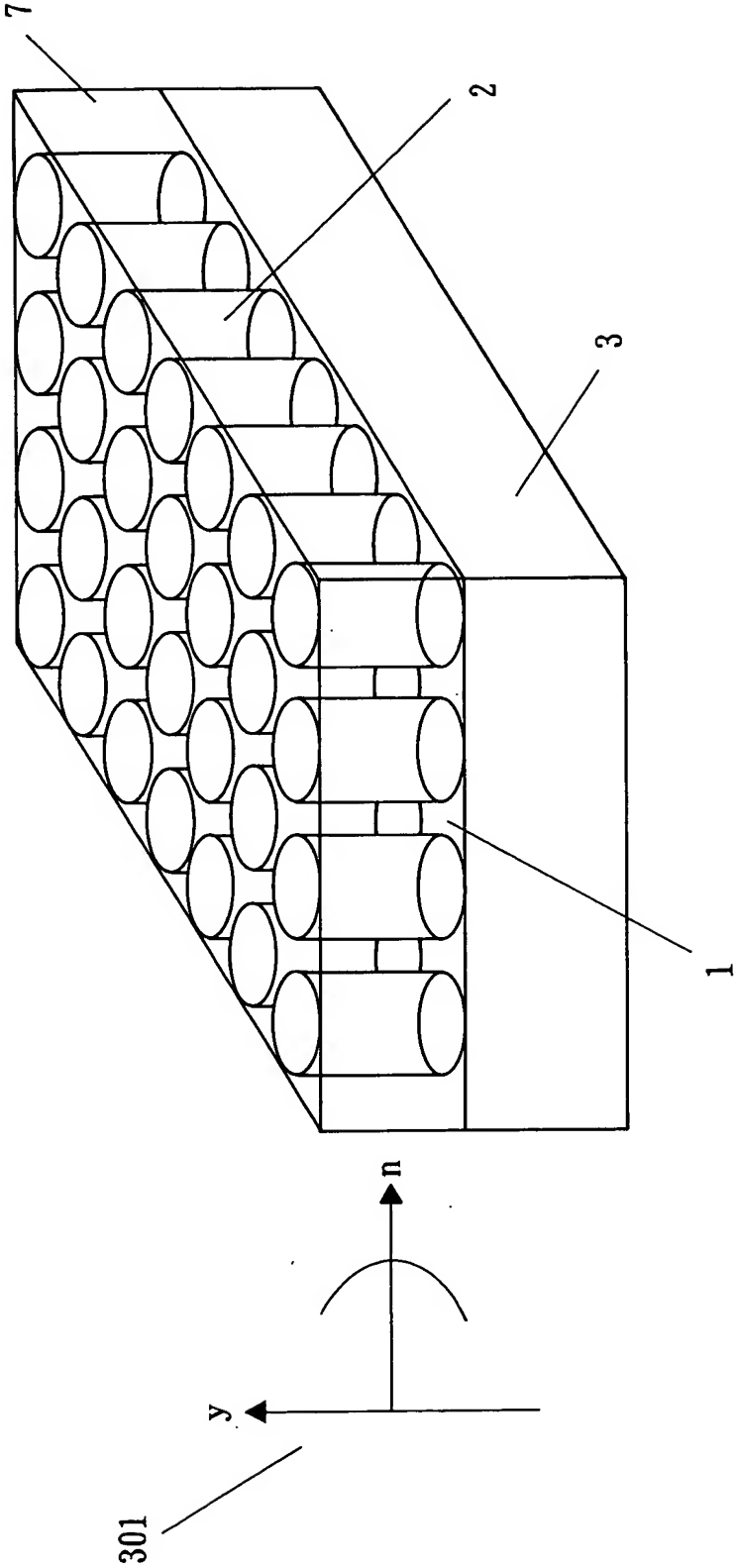


Fig. 3

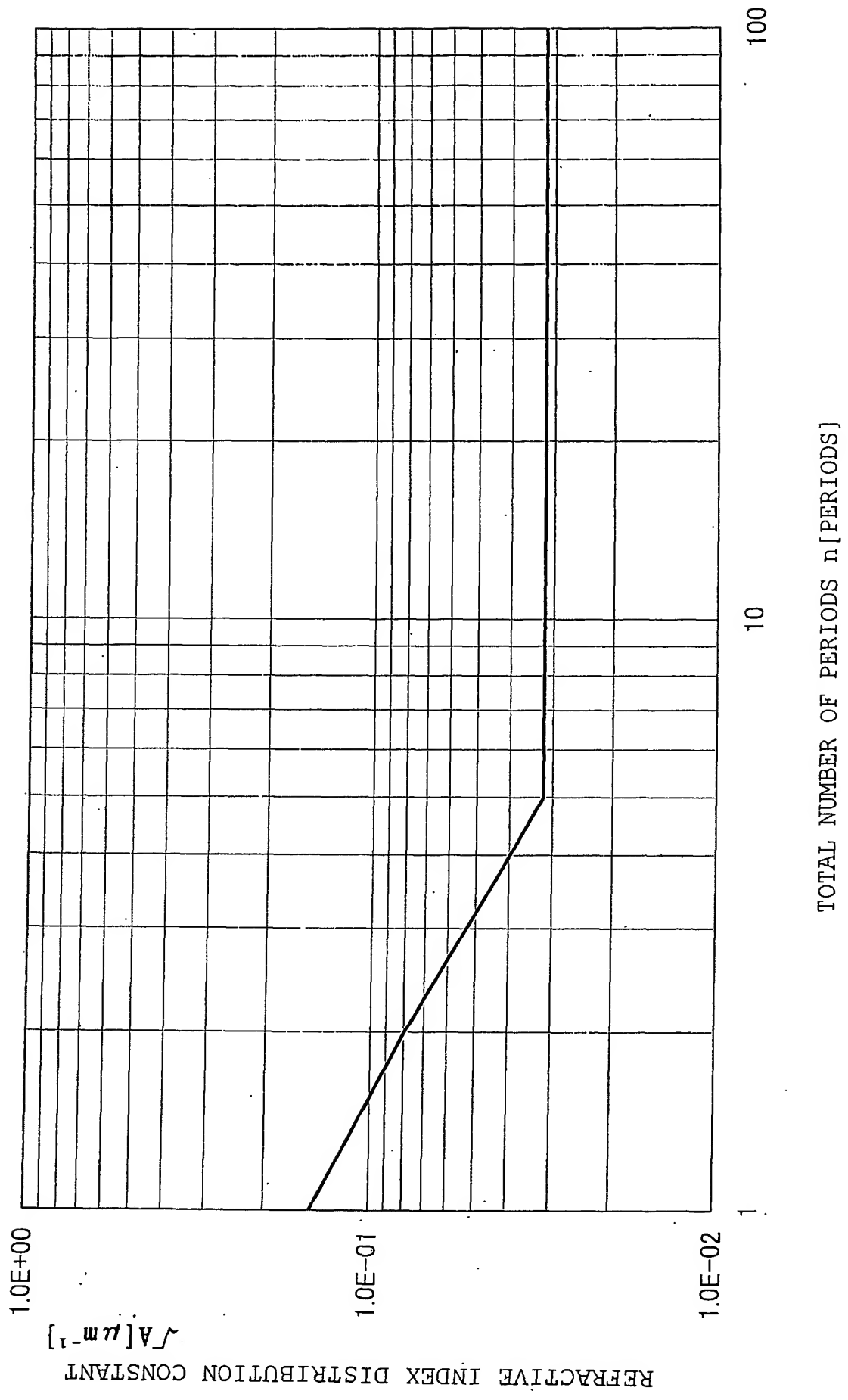


Fig. 4

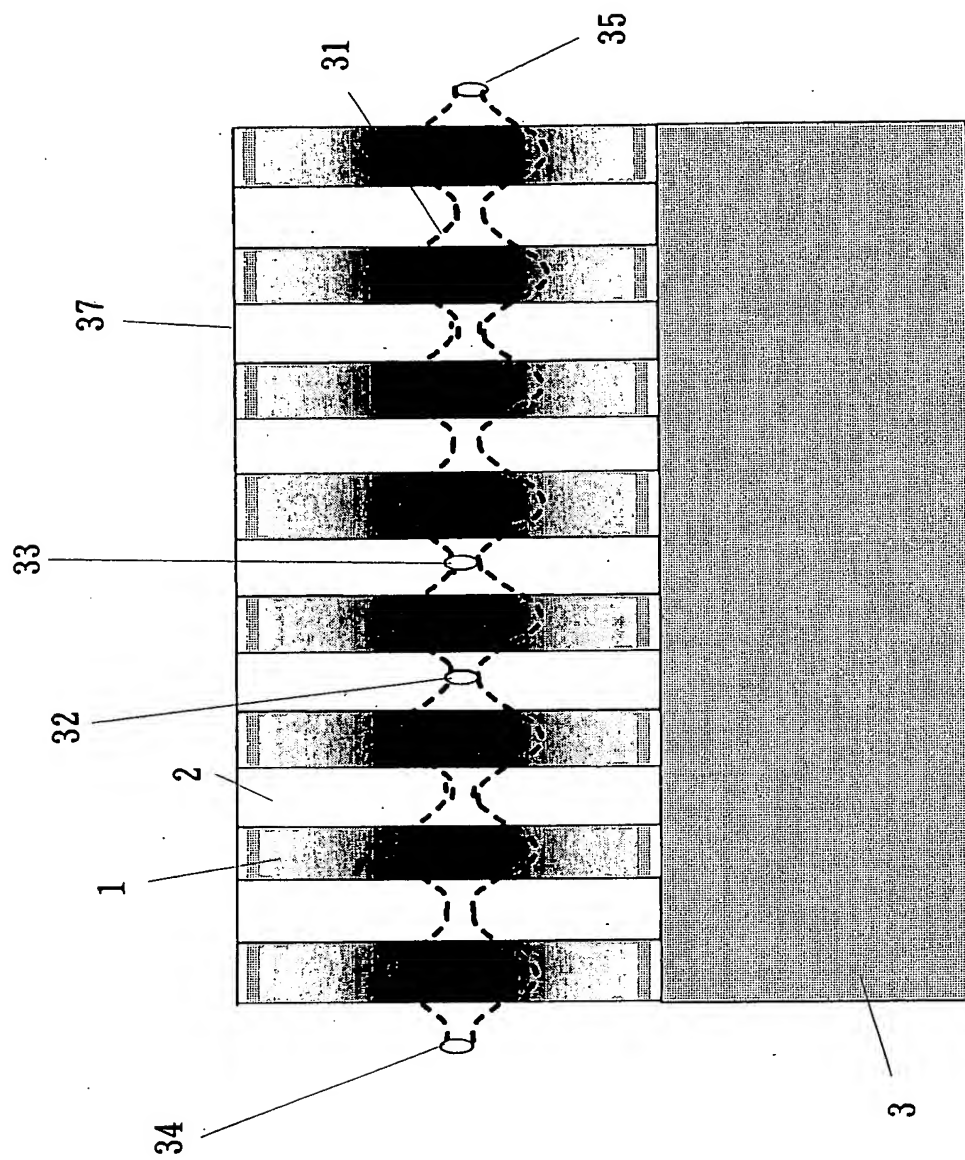


Fig. 5

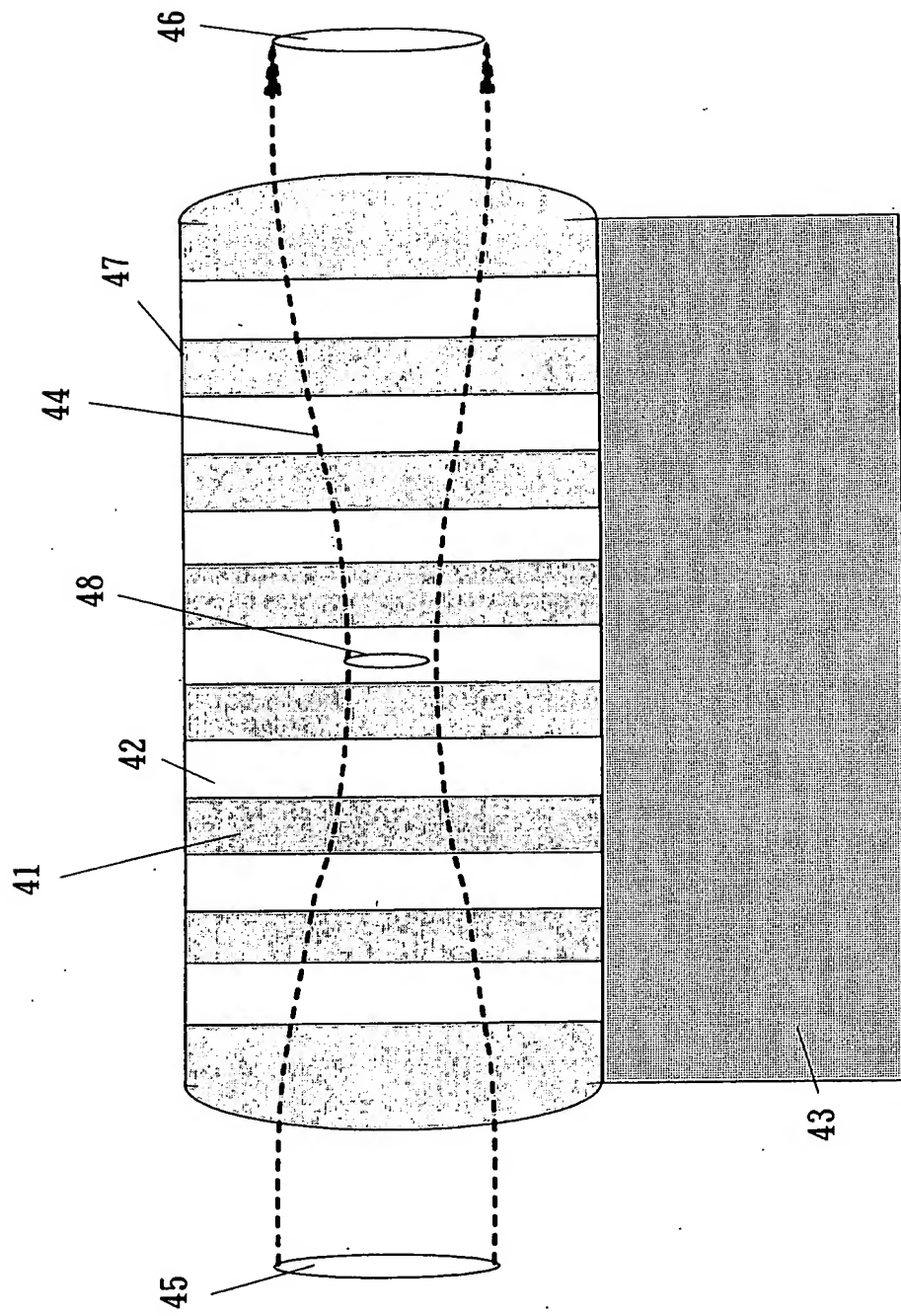


Fig. 6

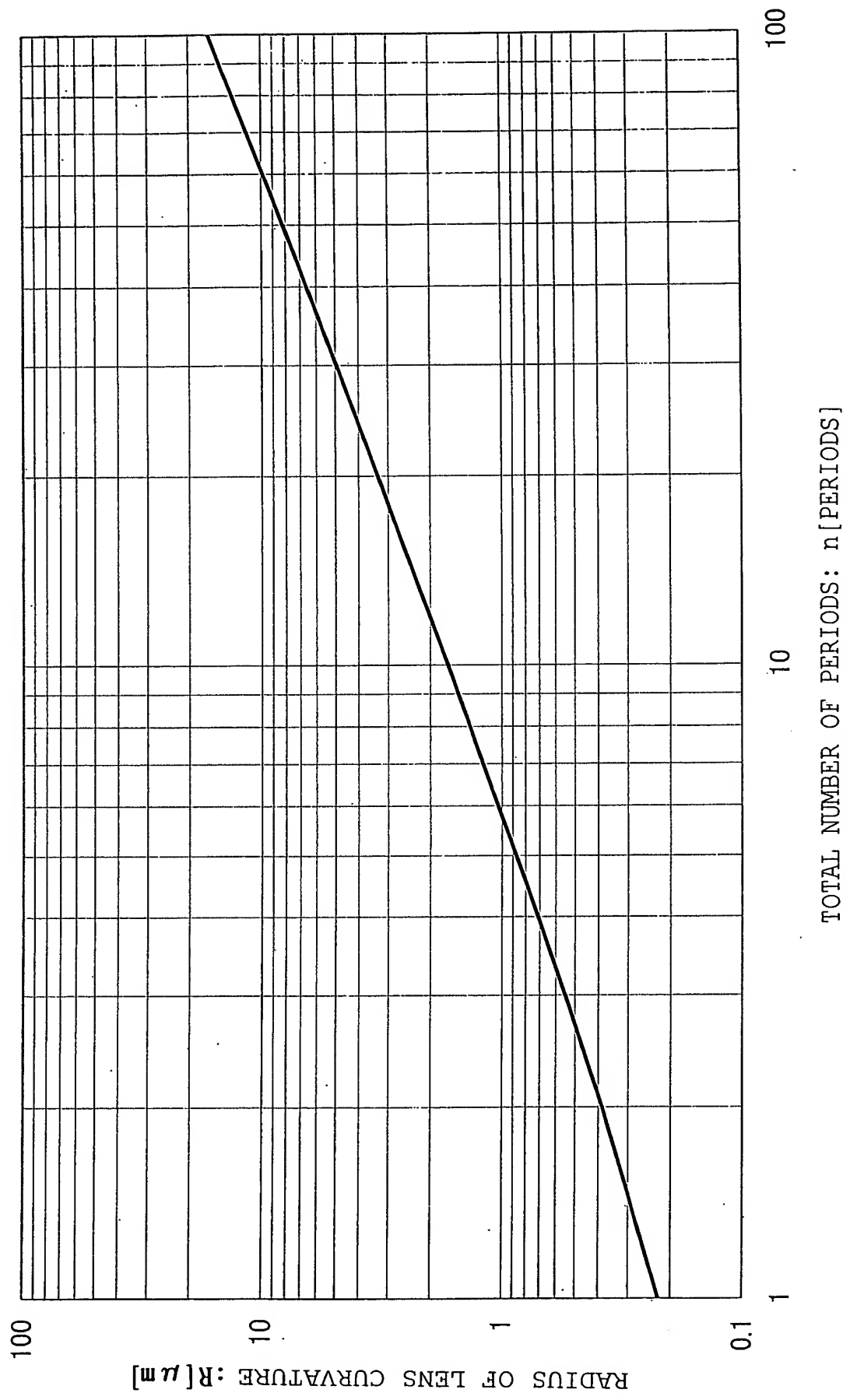


Fig. 7

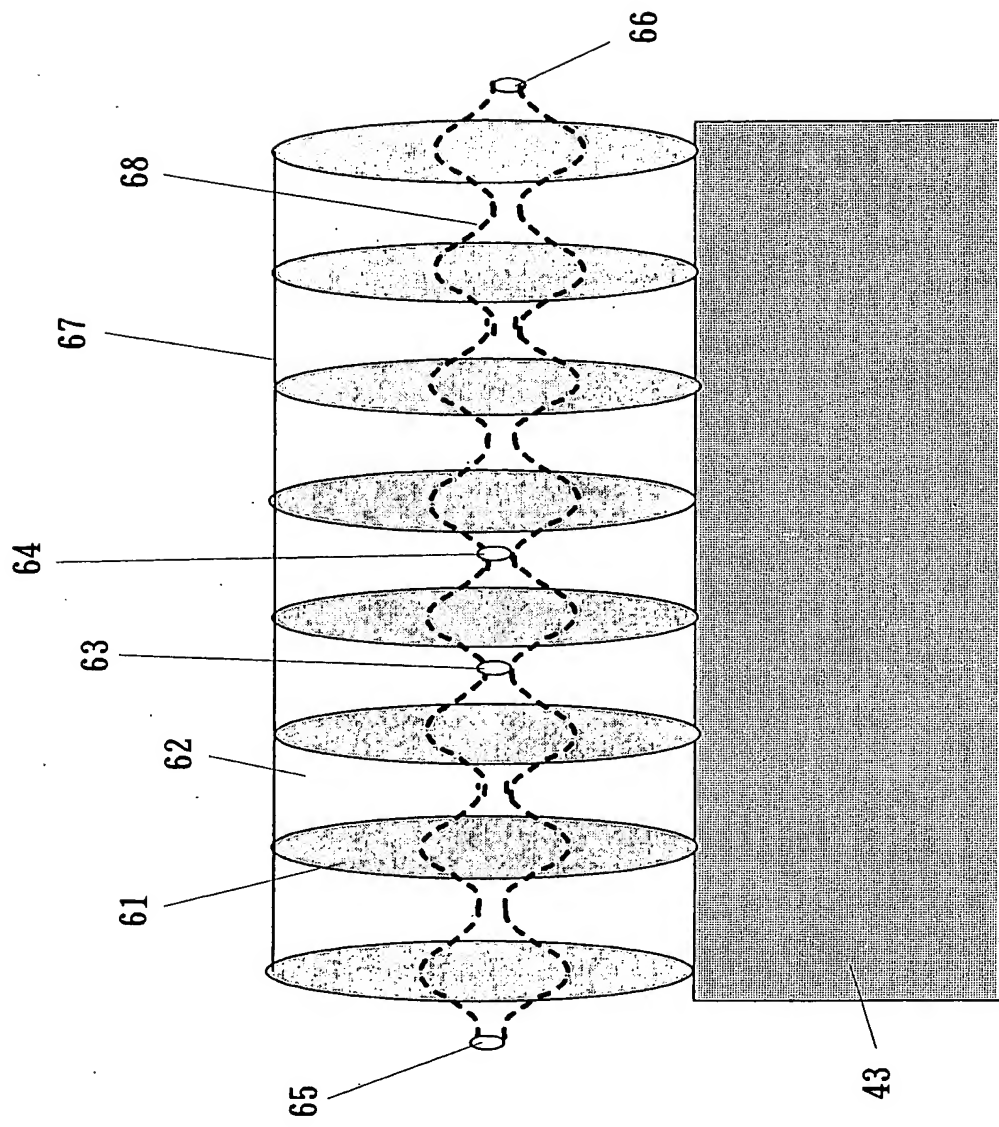


Fig. 8 (a)

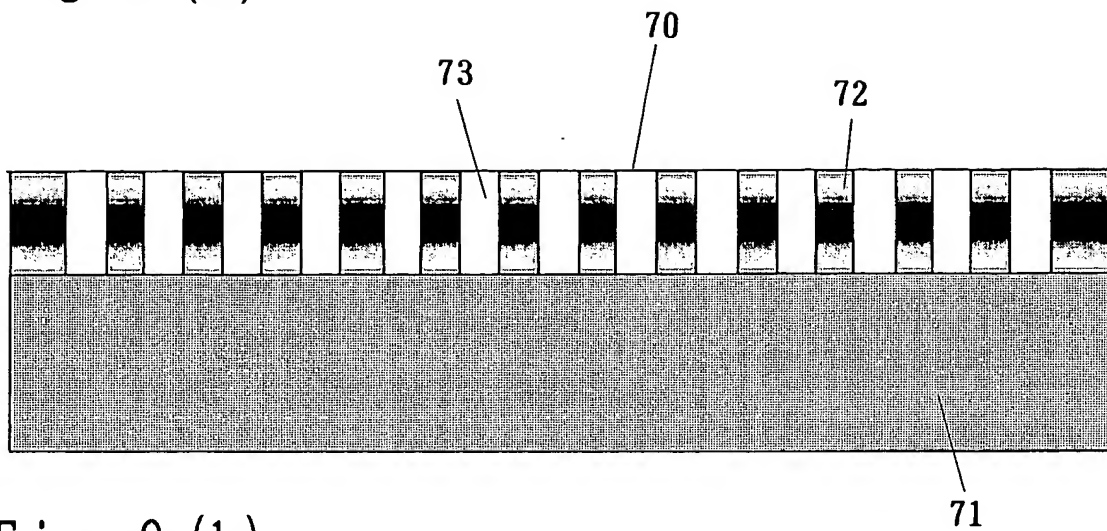


Fig. 8 (b)

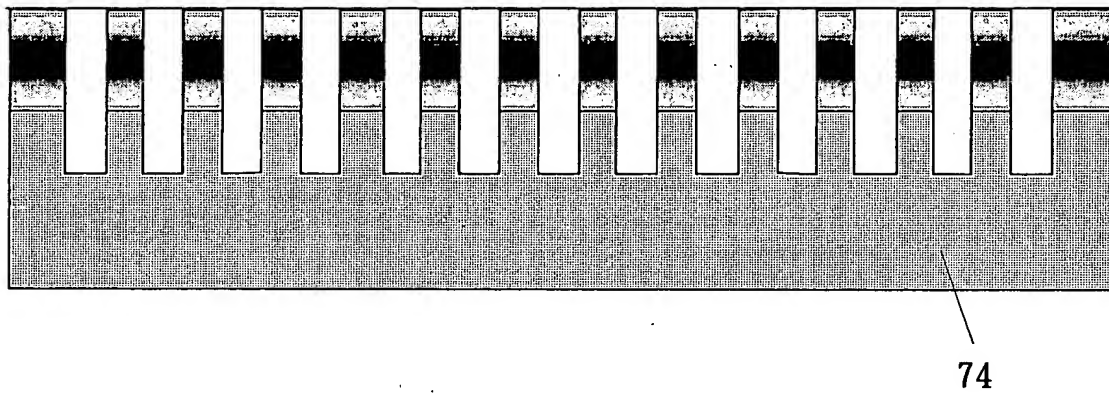


Fig. 8 (c)

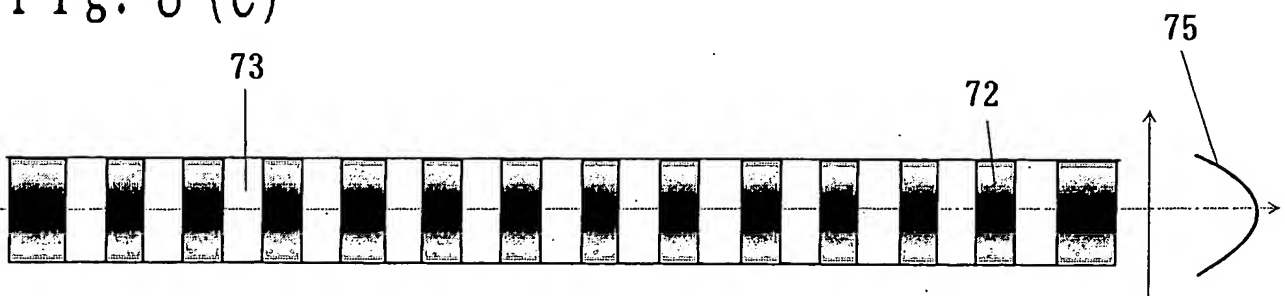
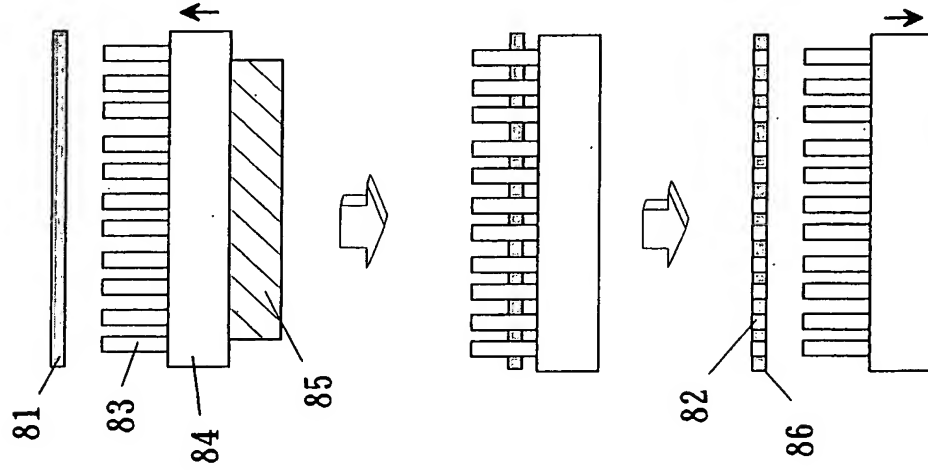


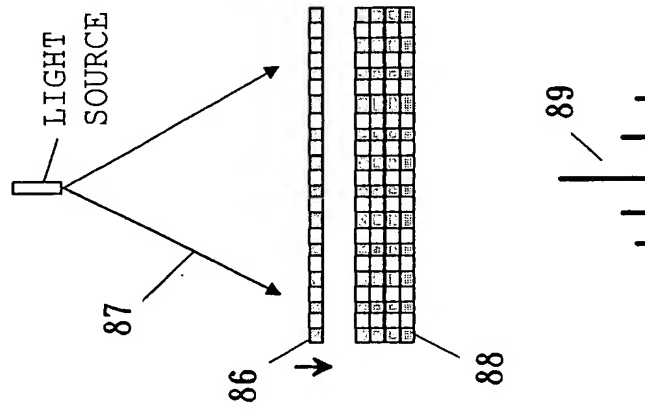


Fig. 9 (a)



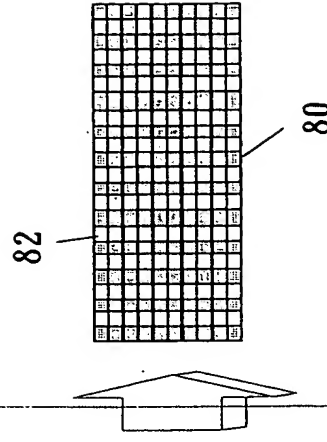
VACUUM FORMING PROCESS

Fig. 9 (b)



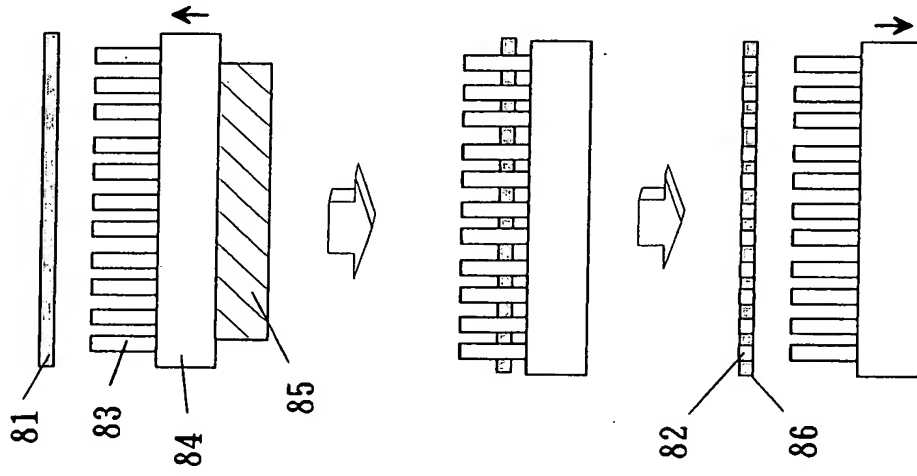
LAMINATION PROCESS  
(INTERFERENCE METHOD)

Fig. 9 (c)



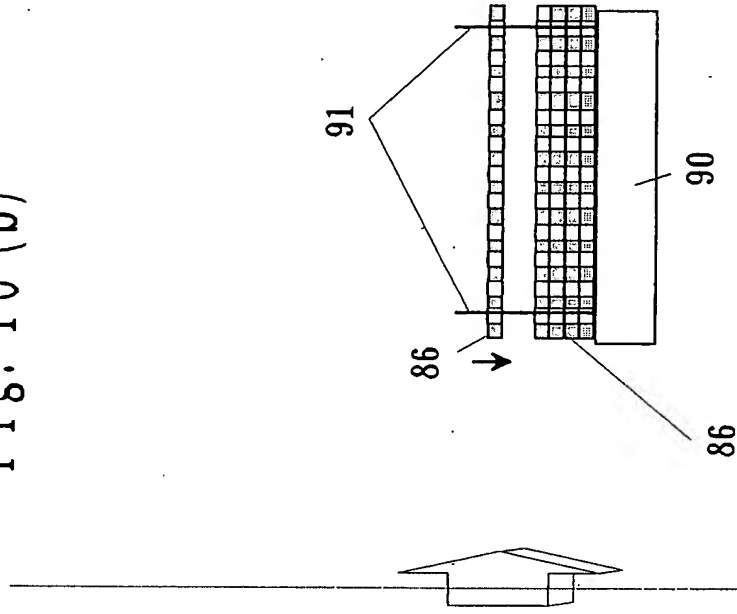
COMPLETION

Fig. 10 (a)



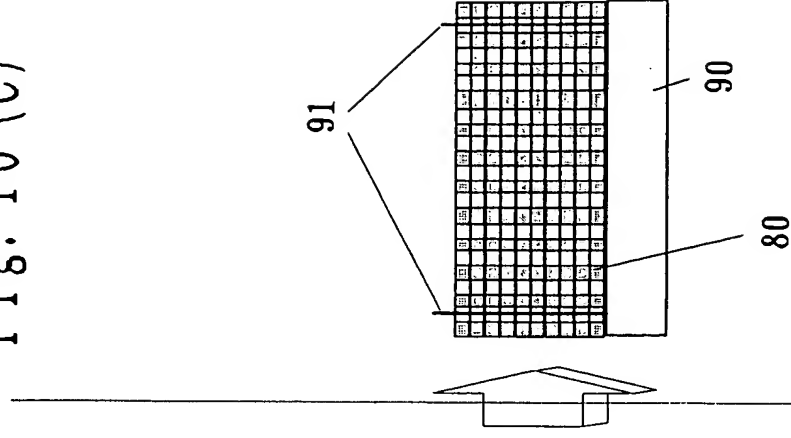
VACANCY FORMING PROCESS

Fig. 10 (b)



LAMINATION PROCESS  
(ALIGNMENT METHOD)

Fig. 10 (c)



COMPLETION

Fig. 11 (a)

REFRACTIVE INDEX DISTRIBUTED FILM MAKING PROCESS

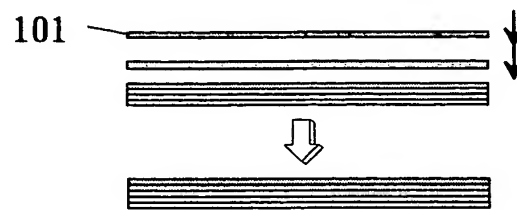


Fig. 11 (b)

VACANCY FORMING PROCESS

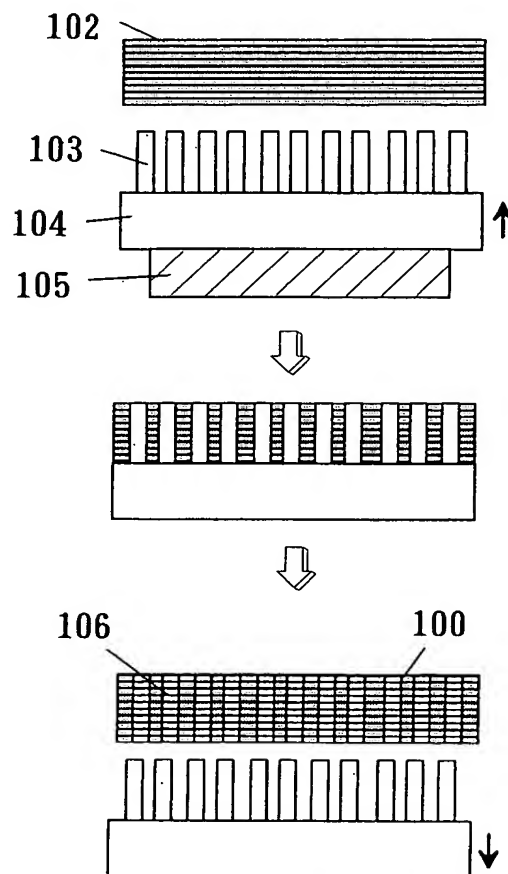


Fig. 12 (a) Fig. 12 (b) Fig. 12 (c) Fig. 12 (d)

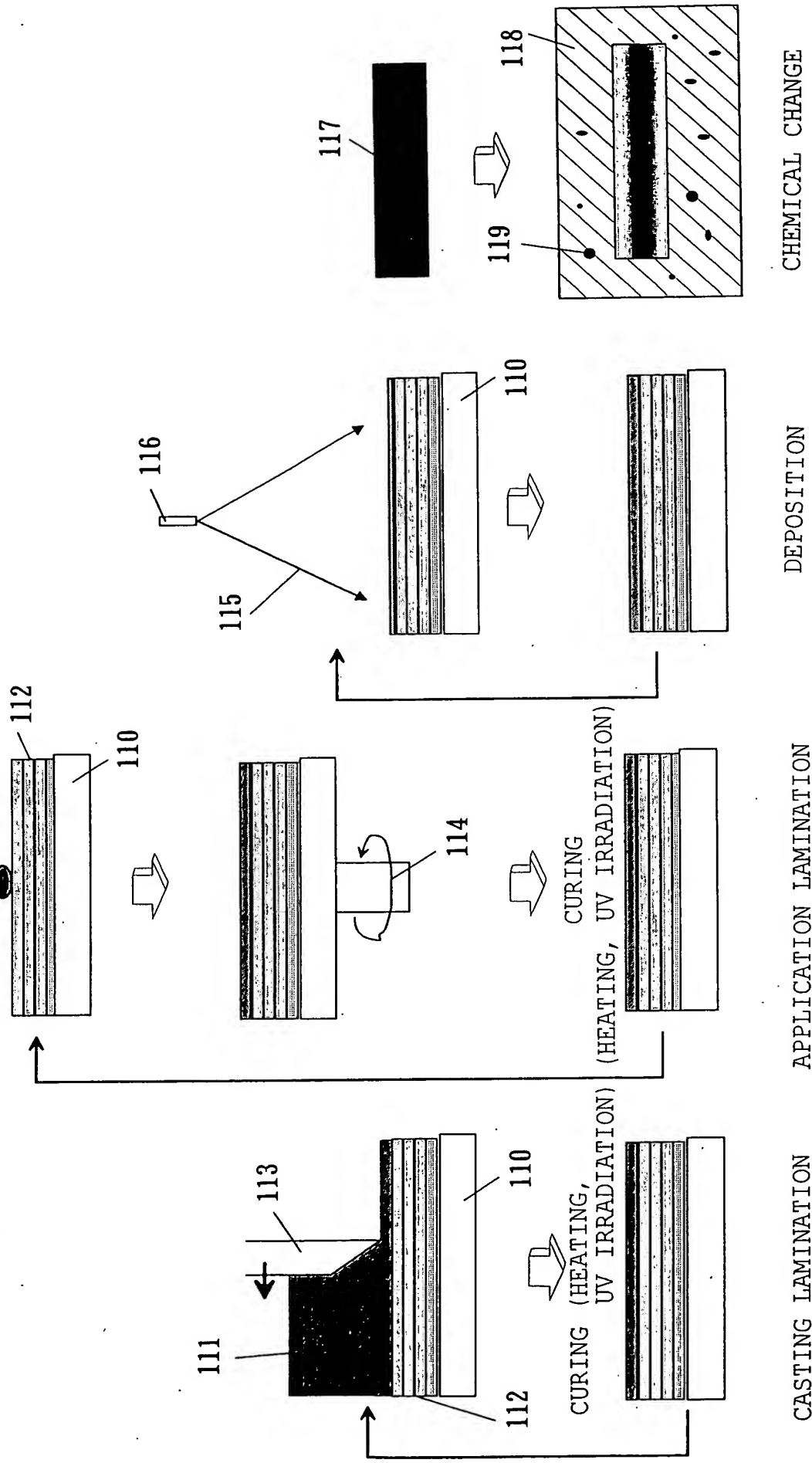


Fig. 13

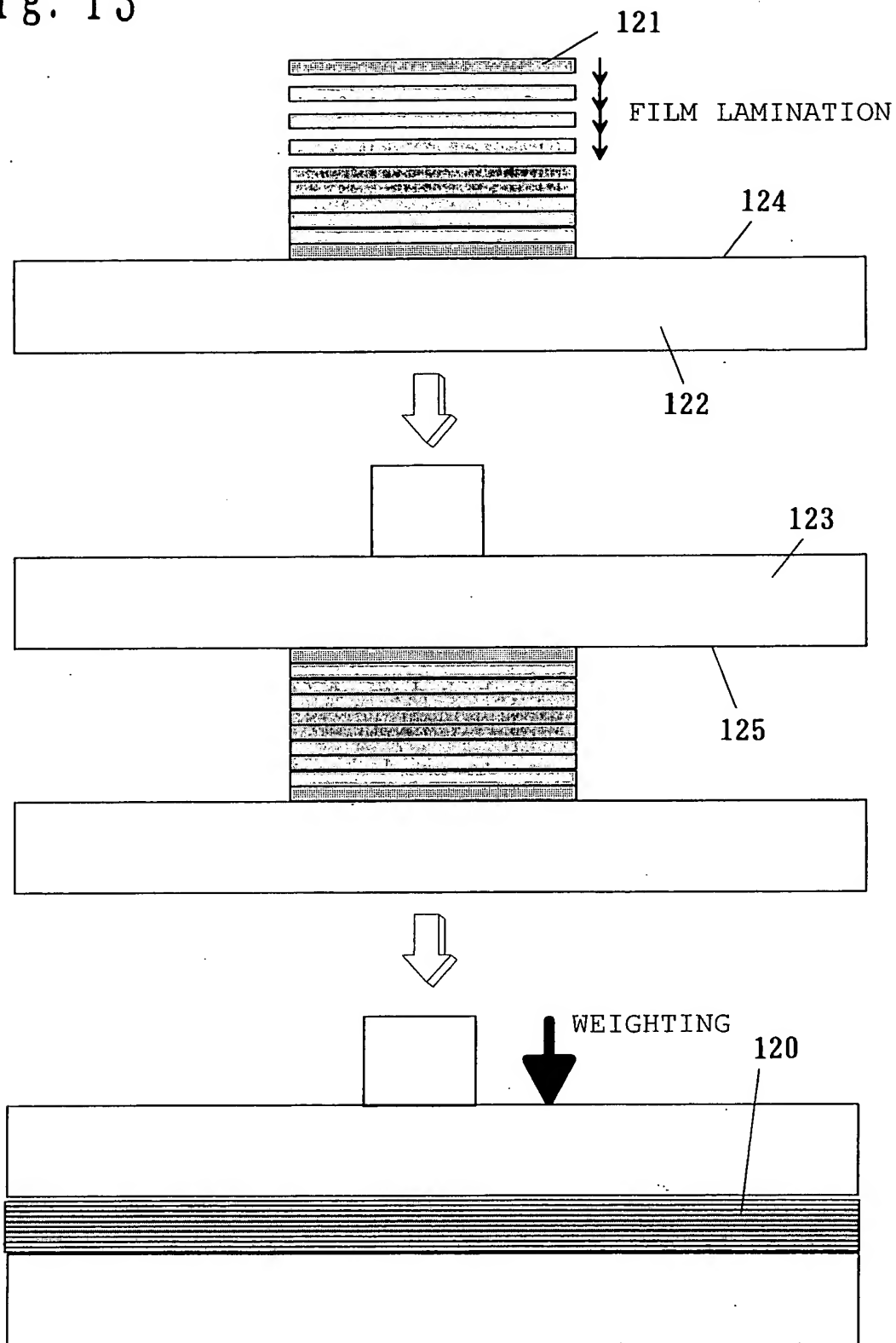


Fig. 14

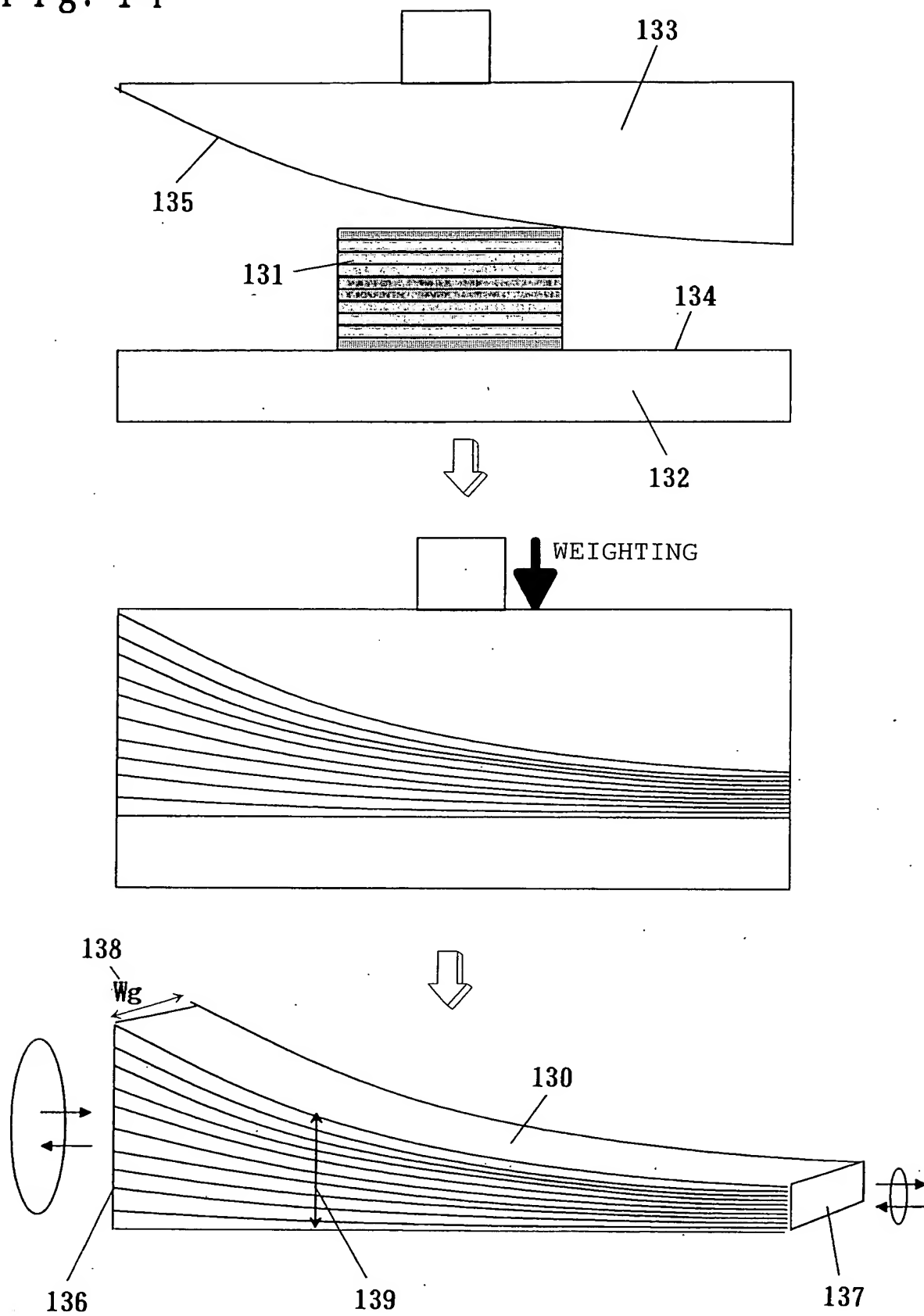


Fig. 15

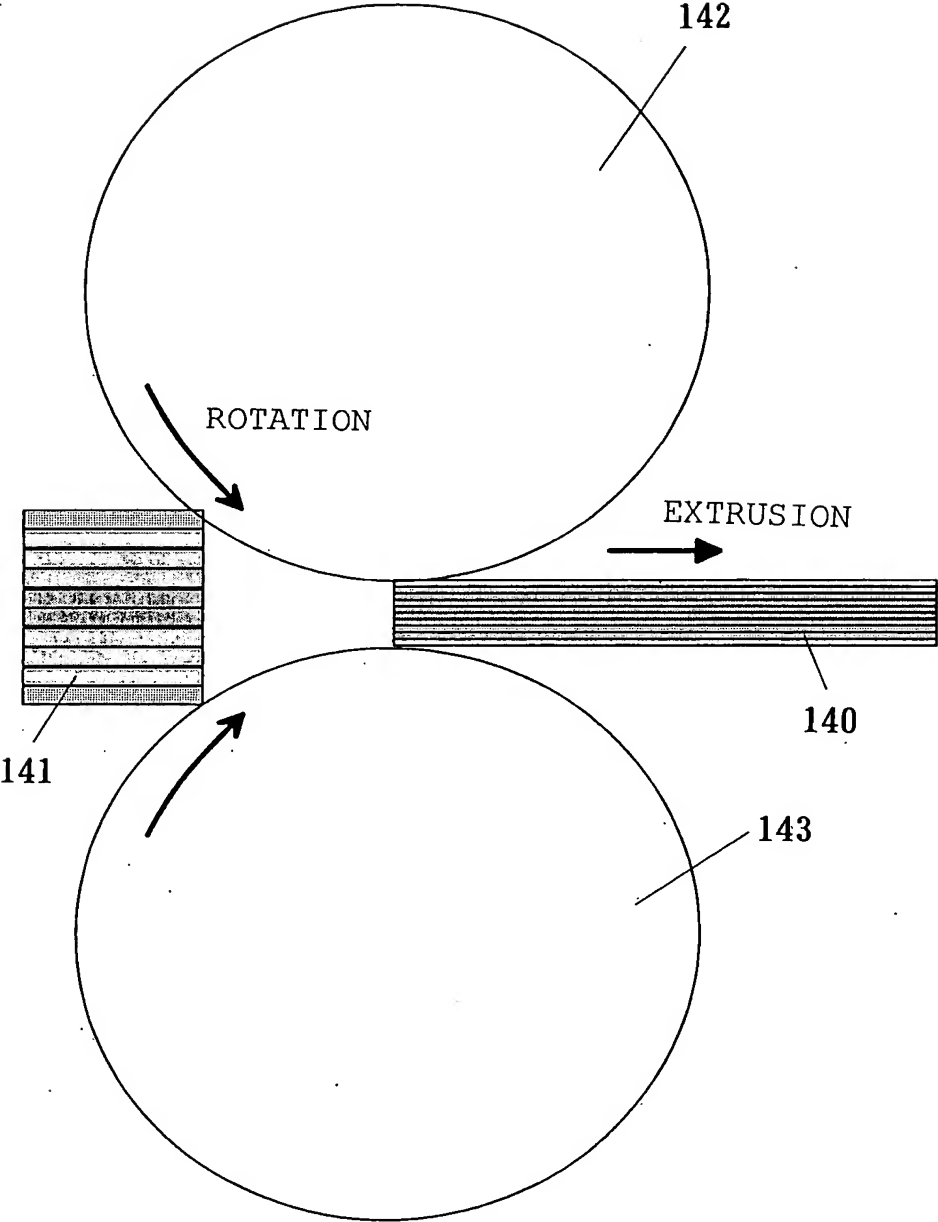


Fig. 16

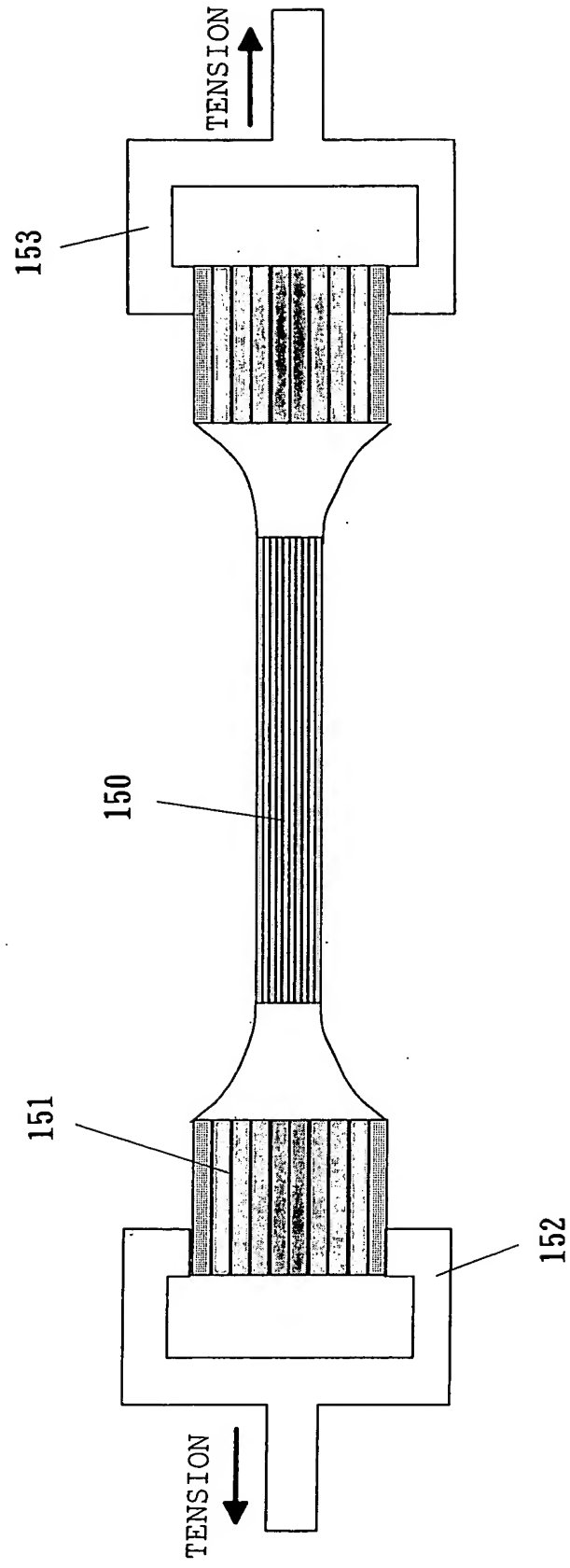




Fig. 17 (a)

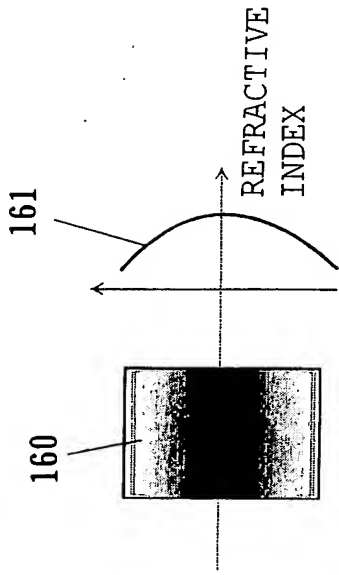
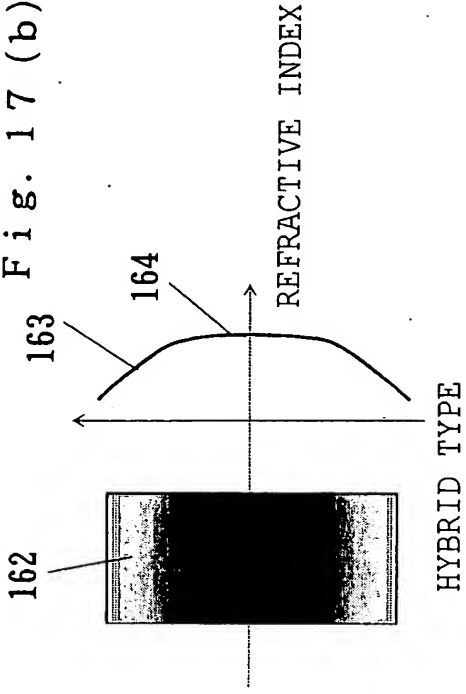


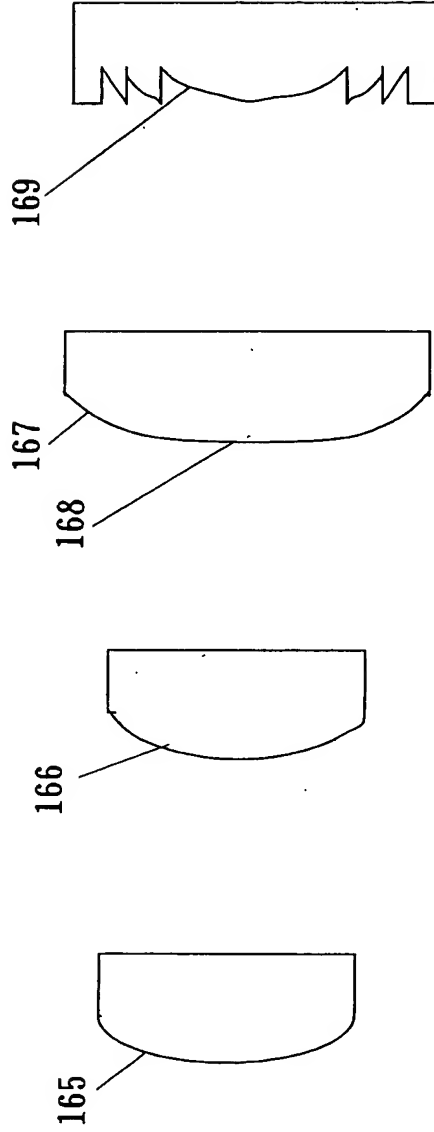
Fig. 17 (b)



QUADRATIC DISTRIBUTION TYPE

REFRACTIVE INDEX DISTRIBUTED SLAB

Fig. 17 (c) Fig. 17 (d) Fig. 17 (e) Fig. 17 (f)



SPHERICAL TYPE

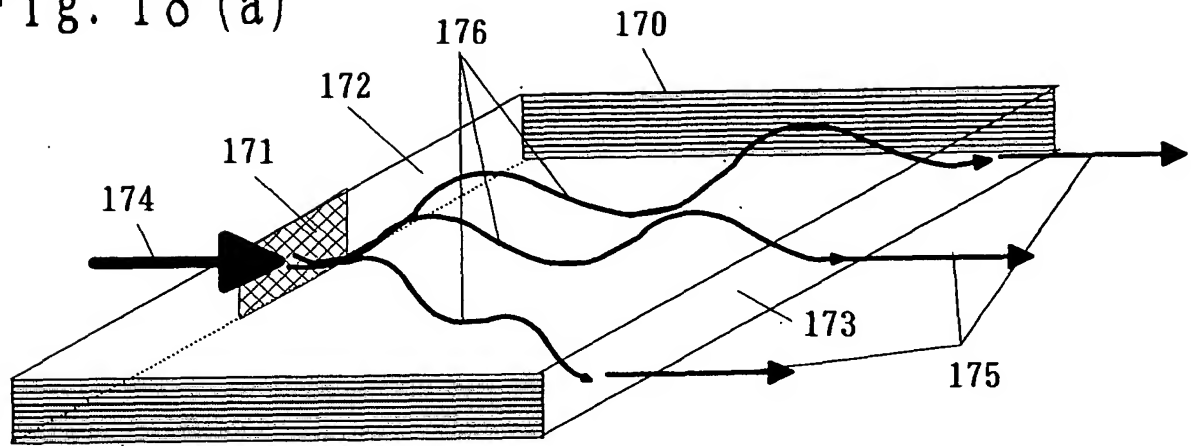
ASPHERICAL TYPE

HYBRID TYPE

FRESNEL TYPE

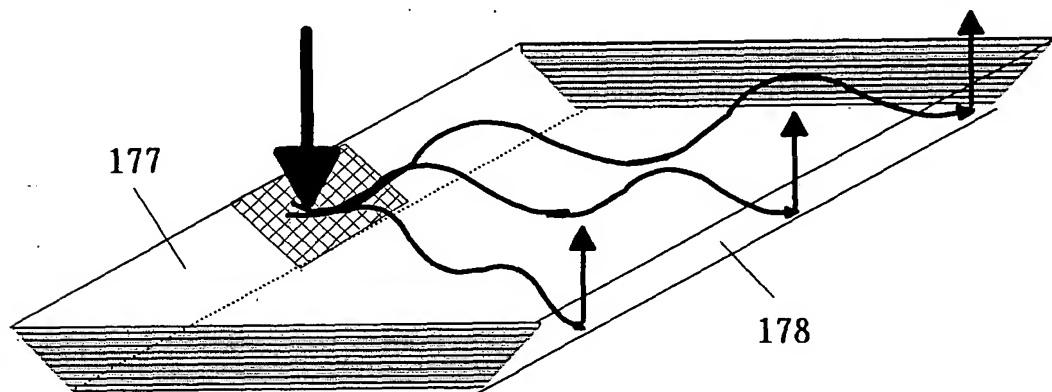
END SURFACE WORKED SLAB

Fig. 18 (a)



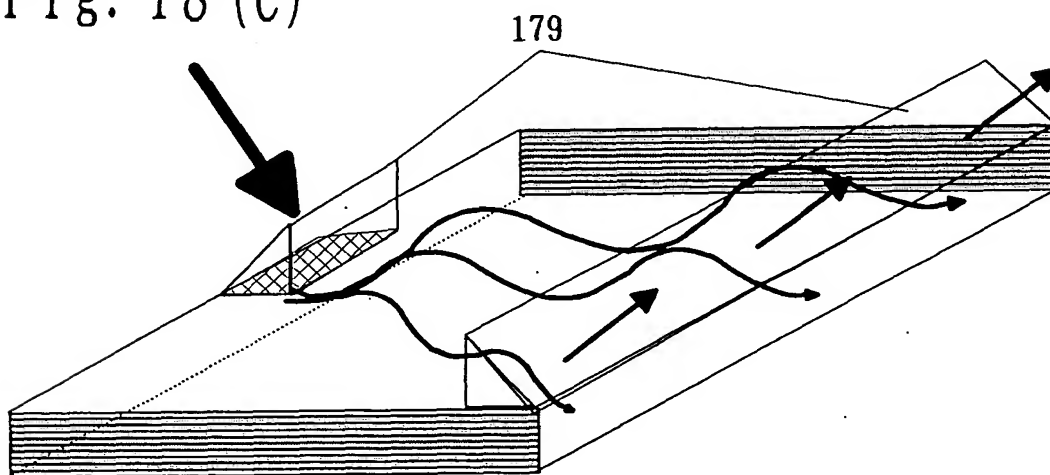
LINEAR-TYPE MULTICAST

Fig. 18 (b)



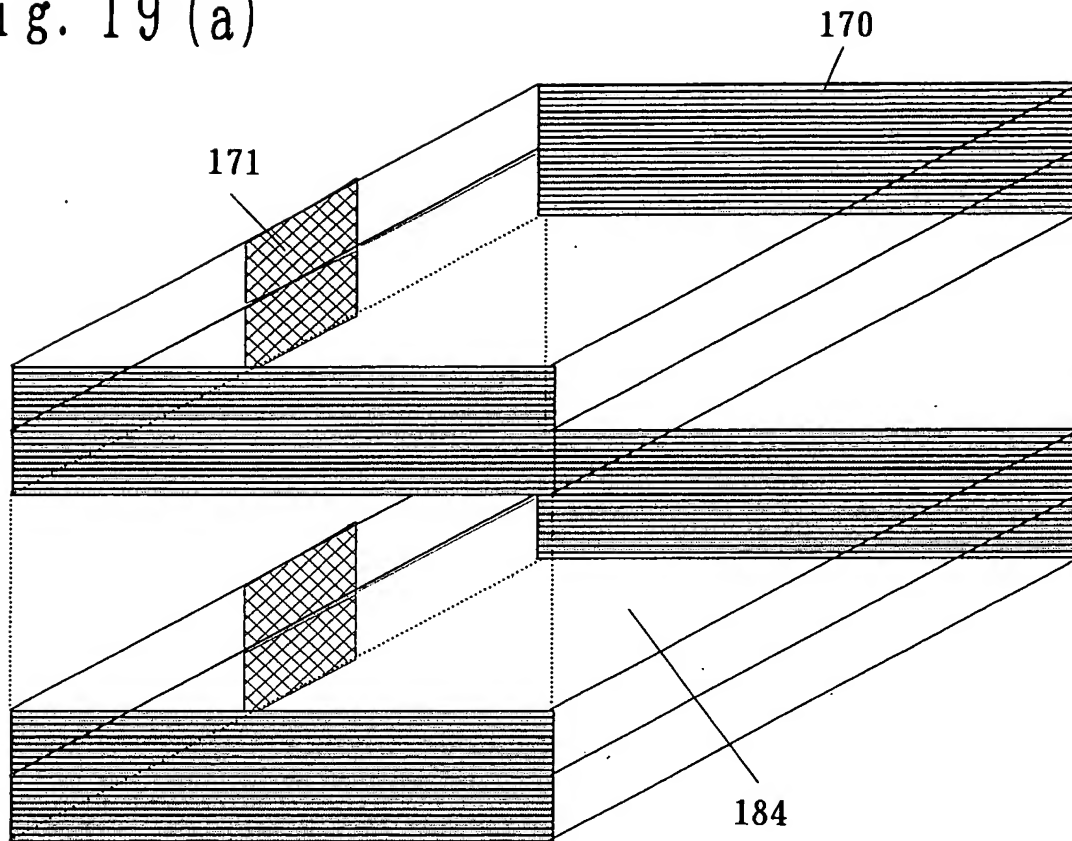
REFLECTION-TYPE MULTICAST

Fig. 18 (c)



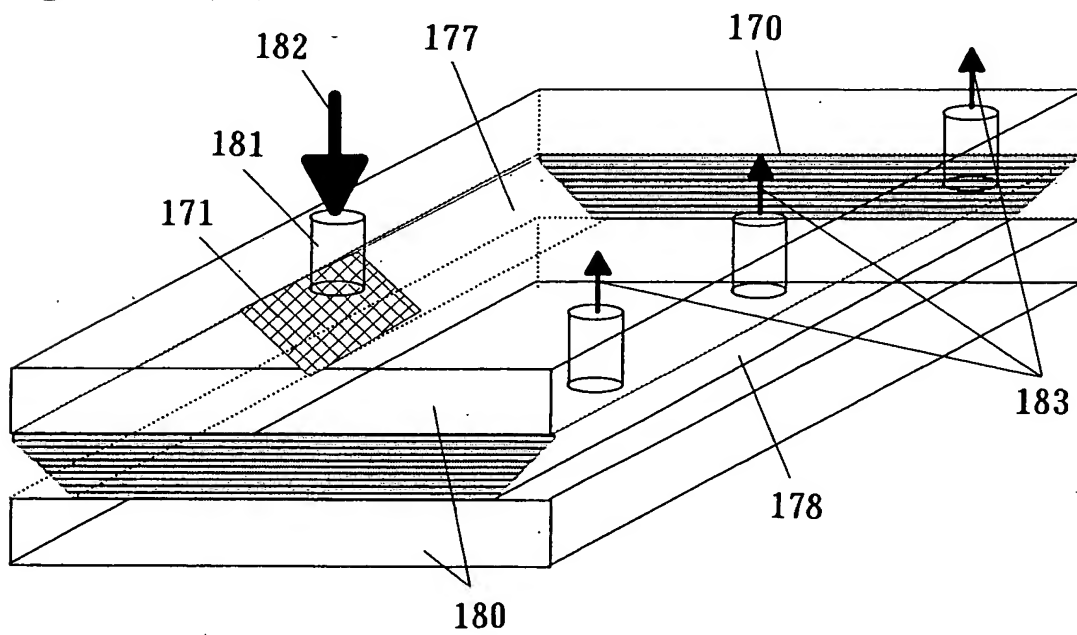
COUPLER-TYPE MULTICAST

Fig. 19 (a)



MULTILAYER SLAB WAVEGUIDE

Fig. 19 (b)



HYBRID WAVEGUIDE

Fig. 20 (a)

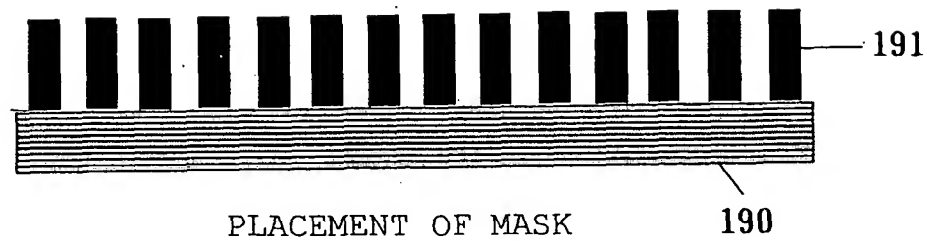


Fig. 20 (b)

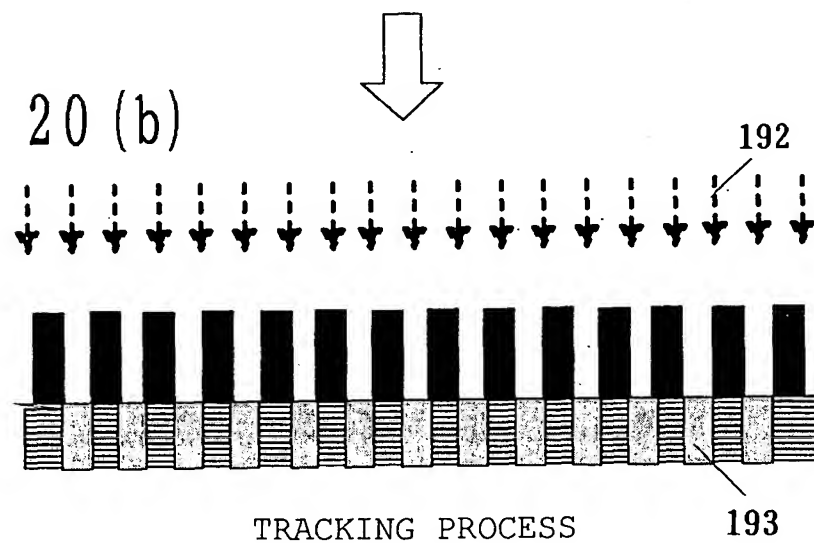


Fig. 20 (c)

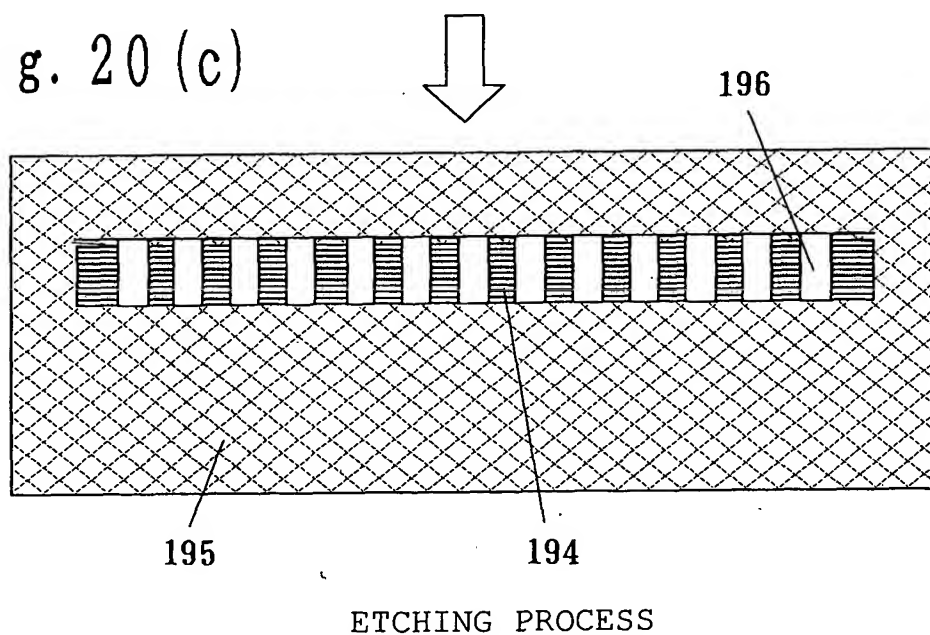


Fig. 21 (a) PRIOR ART

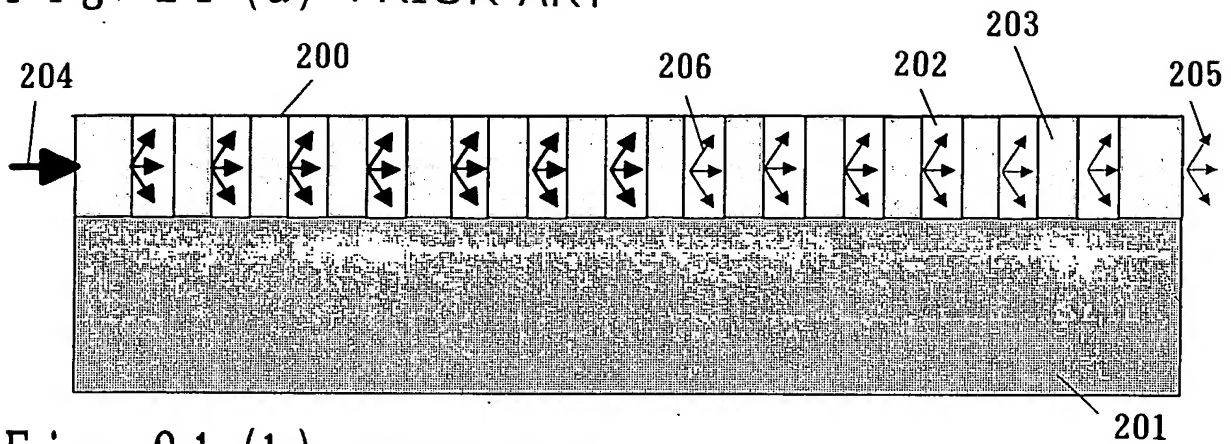


Fig. 21 (b) PRIOR ART

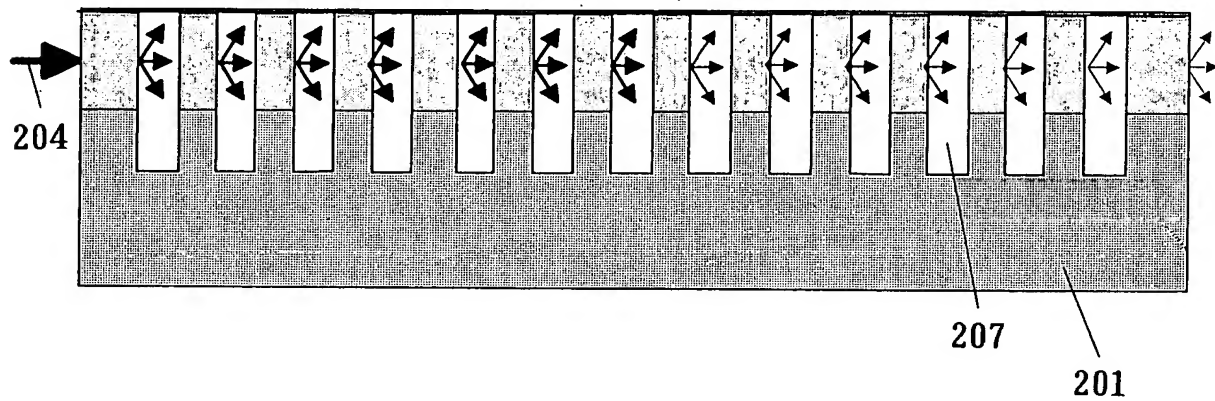


Fig. 21 (c) PRIOR ART

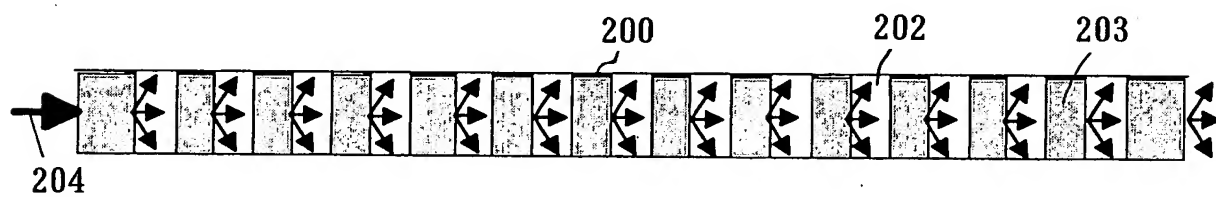


Fig. 21 (d) PRIOR ART

